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IMAGERY
ANALYSIS
DIVISION

PIR

PHOTOGRAPHIC INTELLIGENCE REPORT

VITAL RECORDS COPY

TASHKENT AIRFRAME PLANT A CHKALOV 84 AND TASHKENT AIRCRAFT ASSEMBLY PLANT B CHKALOV 84

TASHKENT, USSR [redacted] 25X1

[redacted] 25X1

Declass Review by NIMA/DOD

CIA/PIR 75052 [redacted] 25X1

DATE DECEMBER 1966

COPY

PAGES 8

GROUP 1
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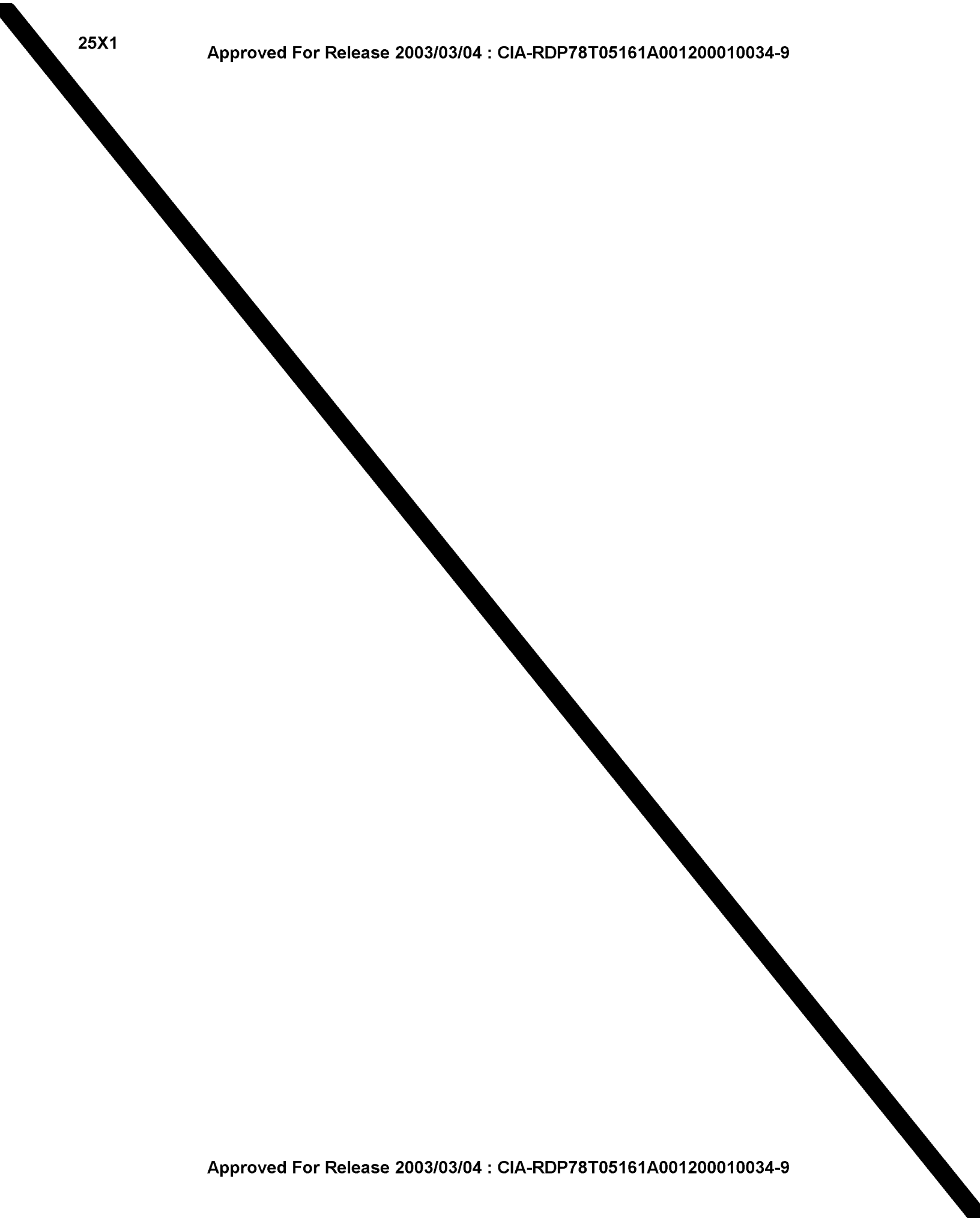

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TASHKENT AIRFRAME PLANT A CHKALOV 84
AND TASHKENT AIRCRAFT ASSEMBLY PLANT B CHKALOV 84
TASHKENT, USSR

25X1

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The Tashkent Aircraft Plant Chkalov No 84 is divided into 2 plant areas which are designated as Tashkent Airframe Plant A Chkalov 84 (41-19-33N 69-15-54E,) and Tashkent Aircraft Assembly Plant B Chkalov 84 (41-18-00N 69-18-50E,) Plant 84B is located adjacent to Tashkent Airfield in the southeast section of Tashkent and is served by rail spurs and major roads. Plant 84A is located in the north-central section of Tashkent, approximately 3 nautical miles northwest of Plant 84B and is road served only (Figure 1). 1/

Tashkent Aircraft Plant Chkalov 84 (A and B) is engaged in production of transport-type aircraft. Figures 2-5 relate to Plant 84A and Figures 6-8 relate to Plant 84B. The plant was initially constructed at Moskva in 1934 and moved

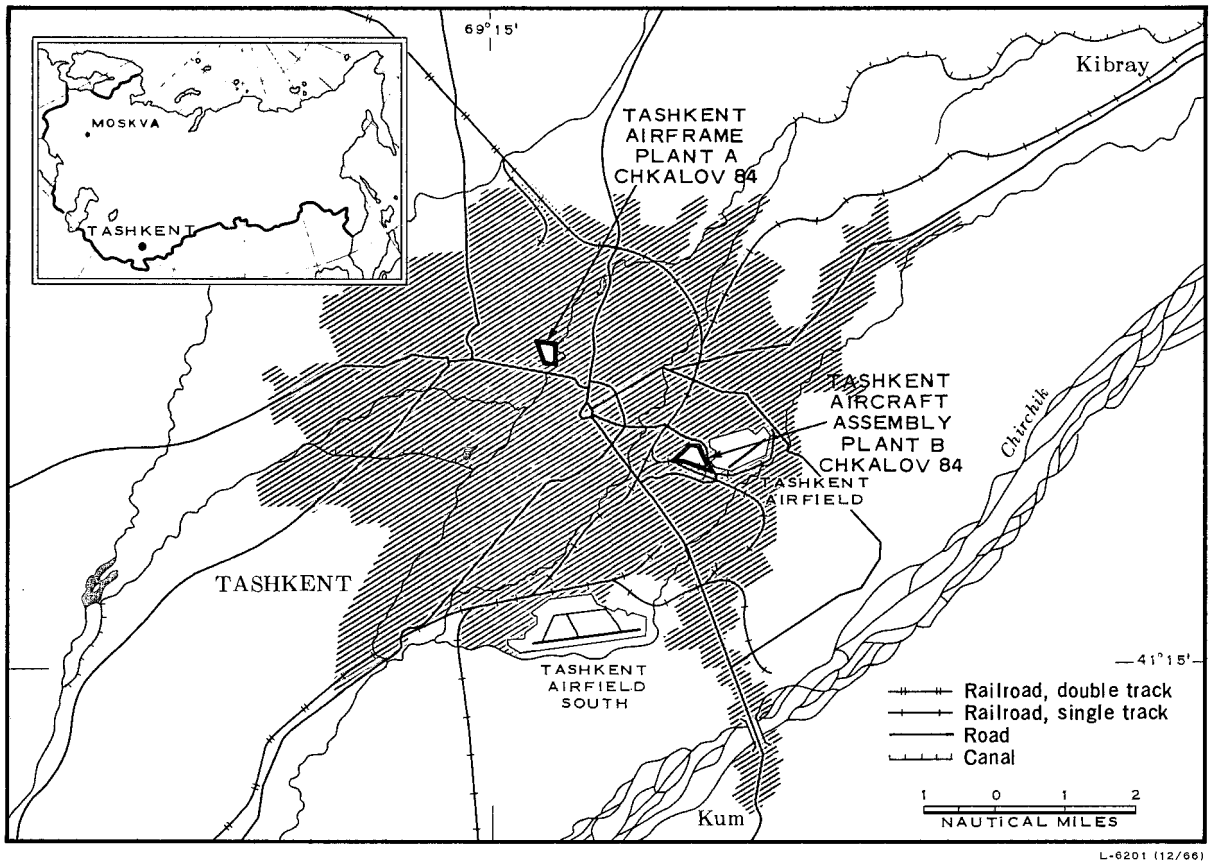

FIGURE 1. LOCATION MAP.

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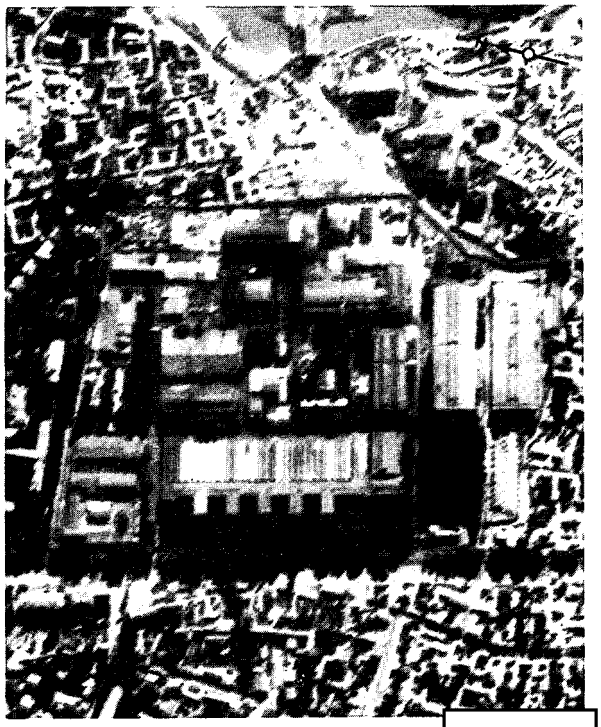

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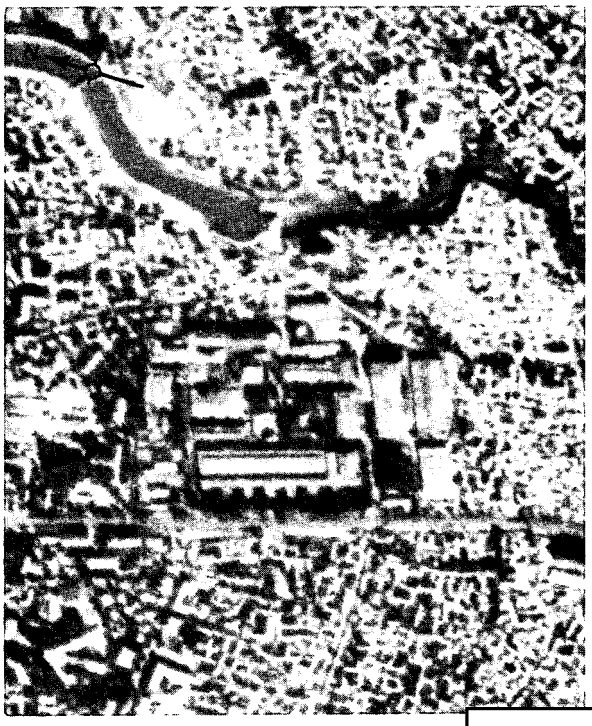
25X1 FIGURE 2. TASHKENT AIRFRAME PLANT A CHKALOV 84, TASHKENT, USSR,



25X1 FIGURE 3. TASHKENT AIRFRAME PLANT A CHKALOV 84,

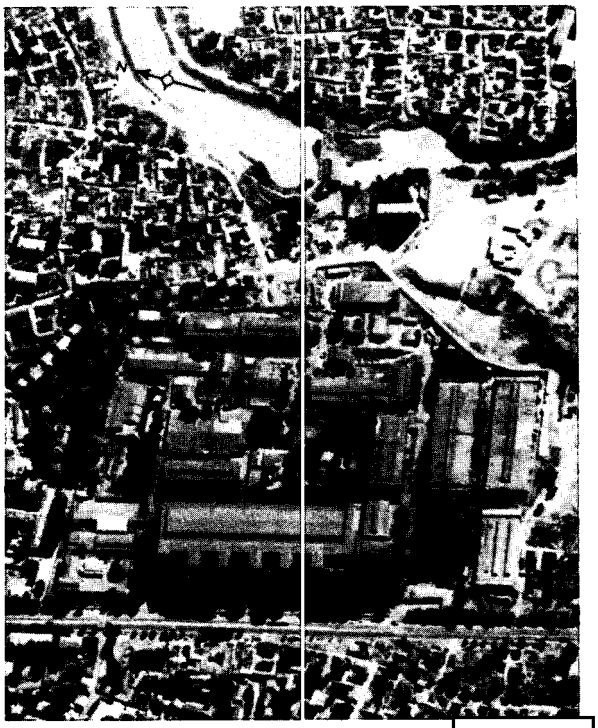


FIGURE 4. TASHKENT AIRFRAME PLANT A CHKALOV 84,

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to Tashkent in 1941 where it was installed in the 2 plant areas. Plant 84A probably manufactures component parts and minor assemblies which are transported by truck to Plant 84B for assembly. 2/

The 2 plants (84A and 84B) contain, respectively, 4,600 and 16,500 linear feet of hard-surfaced road, probably concrete, with an average width of 20 feet. The plants are encompassed by a probable masonry wall and a probable fence totaling, respectively, 5,700 and 21,000 linear feet (Figures 5 and 8). Plant 84B is served by approximately 24,000 linear feet of rail spurs. 3/

Plants 84A and 84B were first photographed (Figures 2 and 6). At that time, Plant 84A contained approximately 586,550 square feet of floorspace and Plant 84B contained approximately 730,525 square feet of floorspace. 1/

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Comparison photography (Figures 3 and 7) with that of

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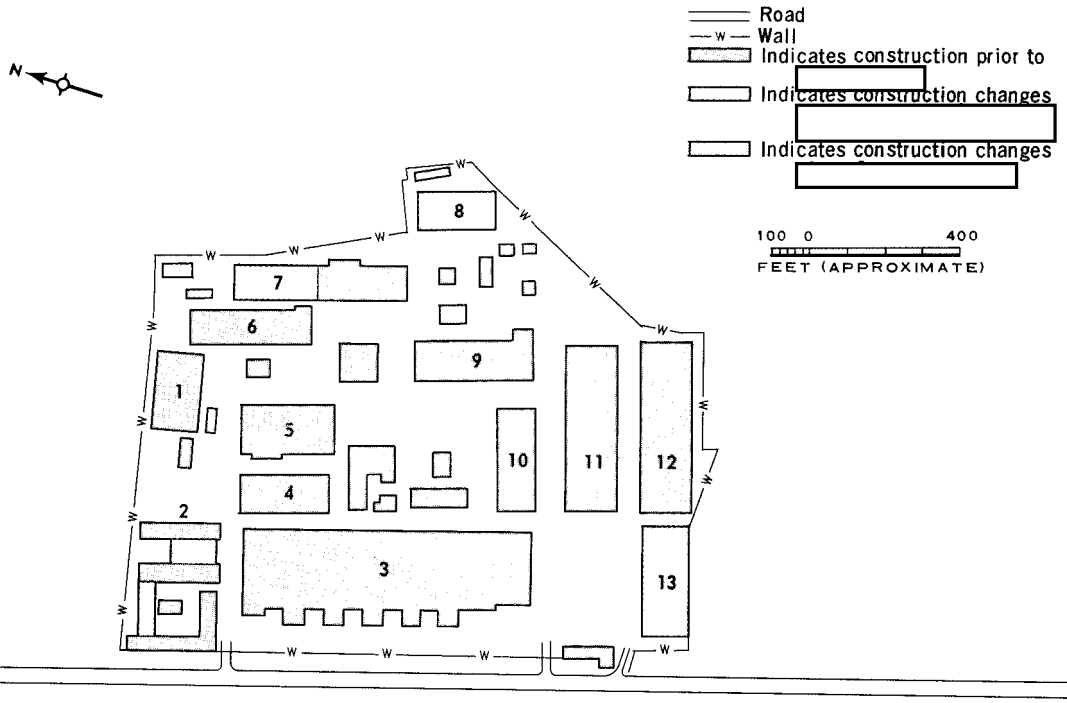

Item	Description	Dimensions (ft) (see note) L W H	Floorspace (sq ft)	Cubic feet
1	Workshop	Irregular x 20, 35	27,525	661,125
2	Storage/support bldgs	Irregular x 15-35	54,825	808,125
3	Assembly bldg/machine shop	Irregular x 30-65	158,125	8,876,375
4	Workshop	235 x 100 x 25, 35*	23,500	763,750
5	Workshop	Irregular x 25*	34,225	855,625
6	Workshop	Irregular x 25*	21,950	548,750
7	Machine shop/workshop	Irregular x 40*	35,500	1,420,000
8	Warehouse	200 x 80 x 25, 35*	16,000	544,000
9	Foundry	Irregular x 30*	35,425	1,062,750
10	Machine shop/workshop	265 x 105 x 40*	27,825	1,113,000
11	Machine shop/workshop	420 x 125 x 30*	52,500	1,575,000
12	Machine shop/workshop	425 x 135 x 30	57,375	1,721,250
13	Machine shop/workshop	285 x 120 x 35	34,200	1,197,000
	Total floorspace & cubic feet of numbered bldgs		578,975	21,464,125
	Total floorspace & cubic feet of other bldgs		65,245	
	Total floorspace & cubic feet of Plant A		644,220	

NOTE--With the exception of those heights marked with an asterisk (*), all measurements were calculated by NPIC/TID and are accurate to within ± 5 ft or ± 5% on the horizontal and ±10 ft or ±10% on the vertical. Measurements were derived from

*Height calculated by CIA/IAD project analyst.

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FIGURE 5. LAYOUT OF TASHKENT AIRFRAME PLANT A.

(Figures 2 and 6) reveals that Plant 84A was expanded since this time by approximately 81,950 square feet of floorspace for a total of 668,500 square feet, while Plant 84B was expanded by 1,335,935 square feet, almost tripling the total floorspace to 2,065,450 square feet. 1/

25X1

Item numbers for Plant 84A refer to Figure 5 while those for Plant 84B refer to Figure 8.

25X1

The expansion of Plant 84A [redacted] has been minor in relation to Plant 84B (Figure 5). The only expansion at Plant 84A between [redacted] was a new machine shop/workshop (item 13). Between [redacted] expansion of another machine shop/workshop (item 7) and the construction of a new warehouse (item 8) took place. Prior to [redacted] expansion of a group of storage/support buildings (item 2) was completed. Prior to [redacted] a building to the east of the foundry (item 9) was removed and a probable workshop was constructed at the same place; also, some small support buildings were constructed (Figure 5).

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Plant 84B, in comparison to Plant 84A, has undergone a considerable amount of expansion between [redacted] Prior to [redacted] the final assembly/subassembly building (item 9) was completed. Between [redacted] a hangar (item 15), the final assembly/checkout building (item 14), a warehouse (item 19), and probable testing/engineering buildings (item 10) were added. Expansion of a machine shop/workshop (item 17) was nearing completion in [redacted] while additions to another machine shop/workshop (item 5) and a workshop (item 6) were completed.

25X1 25X1 25X1 25X1 25X1

Construction was started after [redacted] on a machine shop/workshop with transshipment section (item 20), warehouses (items 24 and 25), a subassembly building (item 23), a warehouse (item 22), a substation (item 21), and a possible engineering building (item 13). The outside portion of the machine shop/workshop with transshipment section (item 20) was completed by [redacted] The warehouses (items 24 and 25), substation (item 21), and another warehouse (item 22) were completed [redacted] A portion of the subassembly building (item 23) was under construction as observed on [redacted] photography.

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A subassembly building/machine shop (item 8) and machine shop/workshop (item 17) were both expanded from existing buildings between [redacted] The addition to the machine shop/workshop (item 17) was under construction in [redacted] and completed [redacted] The addition to the subassembly building/machine shop (item 8) was started after [redacted] and completed by [redacted] An additional steamplant (item 1) was under construction during [redacted] and was completed by [redacted]

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Tashkent Airfield serves Plant 84B as both a test field and a flyaway field. The old concrete airfield runway (adjacent to the plant) was extended from 4,700 feet in [redacted] dimensions of 5,200 by 210 feet in [redacted] During the same time, construction was also started on the new runway located east of the original runway. 1/ The lengthened runway was subsequently reduced in length to 2,750 feet prior to [redacted] when the new runway was completed. In addition, the northernmost parking area was reduced to a taxiway used for access to the engine test facility (Figure 8) between [redacted] There are approximately 688,250 square feet of concrete runway and approximately 565,000 square feet of concrete taxiway and parking apron surface immediately adjacent to the plant.

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The new runway, which [redacted] is connected to the plant area by approximately 806,700 square feet of concrete taxiways. There

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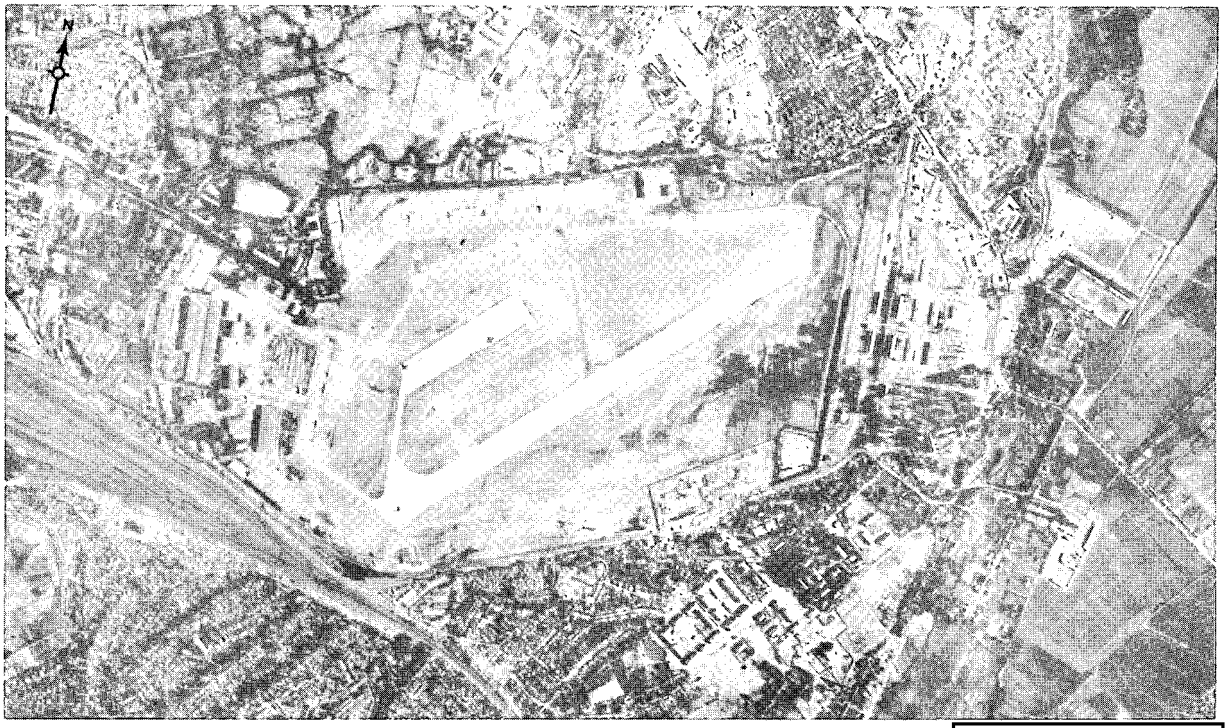

FIGURE 6. TASHKENT AIRCRAFT ASSEMBLY PLANT B CHKALOV 84, TASHKENT, USSR, 25X1

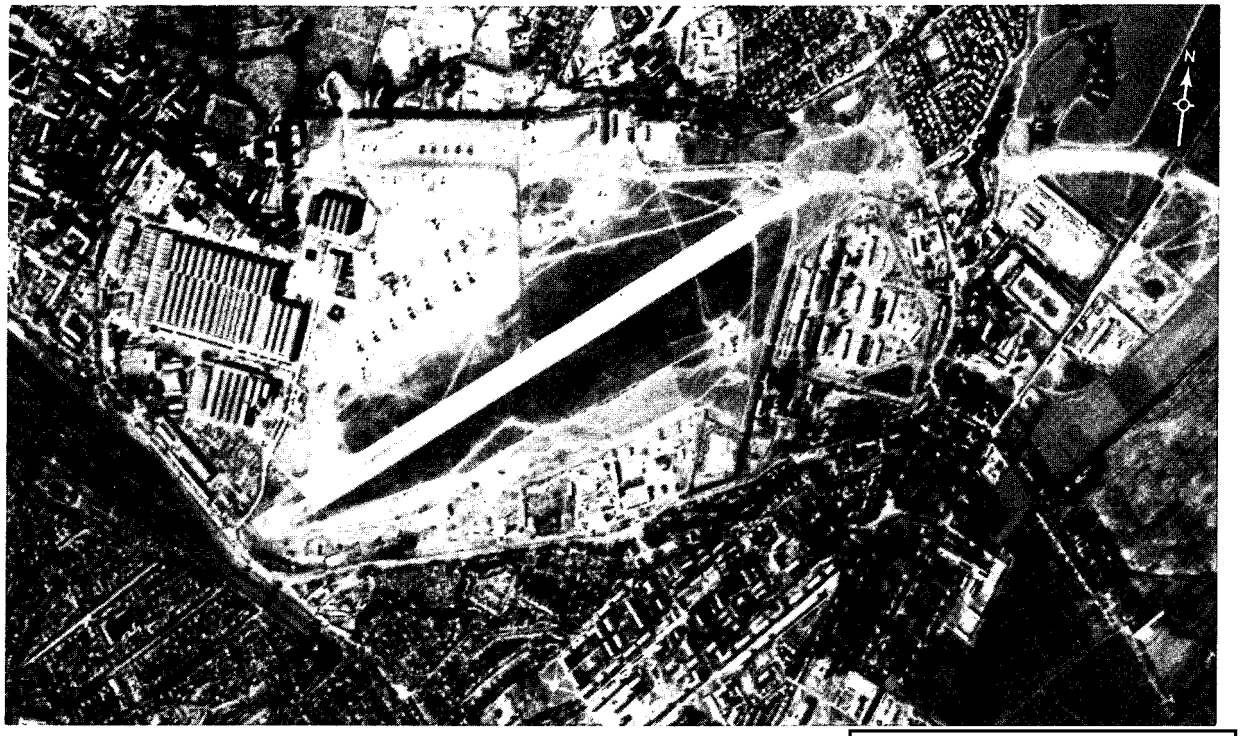

FIGURE 7. TASHKENT AIRCRAFT ASSEMBLY PLANT B CHKALOV 84, 25X1

are approximately 891,200 square feet of concrete parking areas and 131,500 square feet of concrete taxiways serving the new runway. It is secured by a probable fence of approximately 30,000 linear feet. Approximately 22,000 linear feet of what appears to be a drainage ditch are located to the north of the runway and the plant/runway connecting taxiway.

Aircraft observed within the area of Plant 84B on [redacted] include 1 COCK, 19 CAT/CUB, and 2 HOOP; at the airfield, 4 CAT/CUB, 1 COKE, 4 COACH/CRATE, 6 CAB, 2 COLT, and 3 HOUND.

Table 1. Structures at Plant No 84B
(Item numbers are keyed to Figure 8)

Item	Description	Dimensions (ft) (see note) L W H	Floorspace (sq ft)	Cubic Feet
1	Steamplants (2)			
2	Warehouse			
3	Admin bldg			
4	Hangar/workshop			
5	Machine shop/workshop			
6	Workshop			
7	Machine shop/workshop			
8	Subassembly bldg/machine shop			
9	Final assembly/subassembly bldg			
10	Prob testing/engineering bldg			
11	Substation			
12	Prob compressor bldg/workshop			
13	Poss engineering bldg			
14	Final assembly/checkout bldg			
15	Hangar			
16	Storage bldgs for final assembly equipment (3)			
17	Machine shop/workshop			
18	Warehouse/shipping & receiving bldg			
19	Warehouse			
20	Machine shop/workshop with transshipment sectio			
21	Substation			
22	Warehouse			
23	Subassembly bldg			
24	Warehouse			
25	Warehouse			
	Total floorspace & cubic feet of numbered buildings			
	Total floorspace & cubic feet of other bldgs			
	Total floorspace & cubic feet of Plant B			

NOTE -- With the exception of those heights marked with an asterisk (*), all measurements were calculated by NPIC/TID and are accurate to within ±5 ft or ±5%, whichever is greater, both horizontally and vertically. Measurements were derived from [redacted]

*Height calculated by CIA/IAD project analyst.

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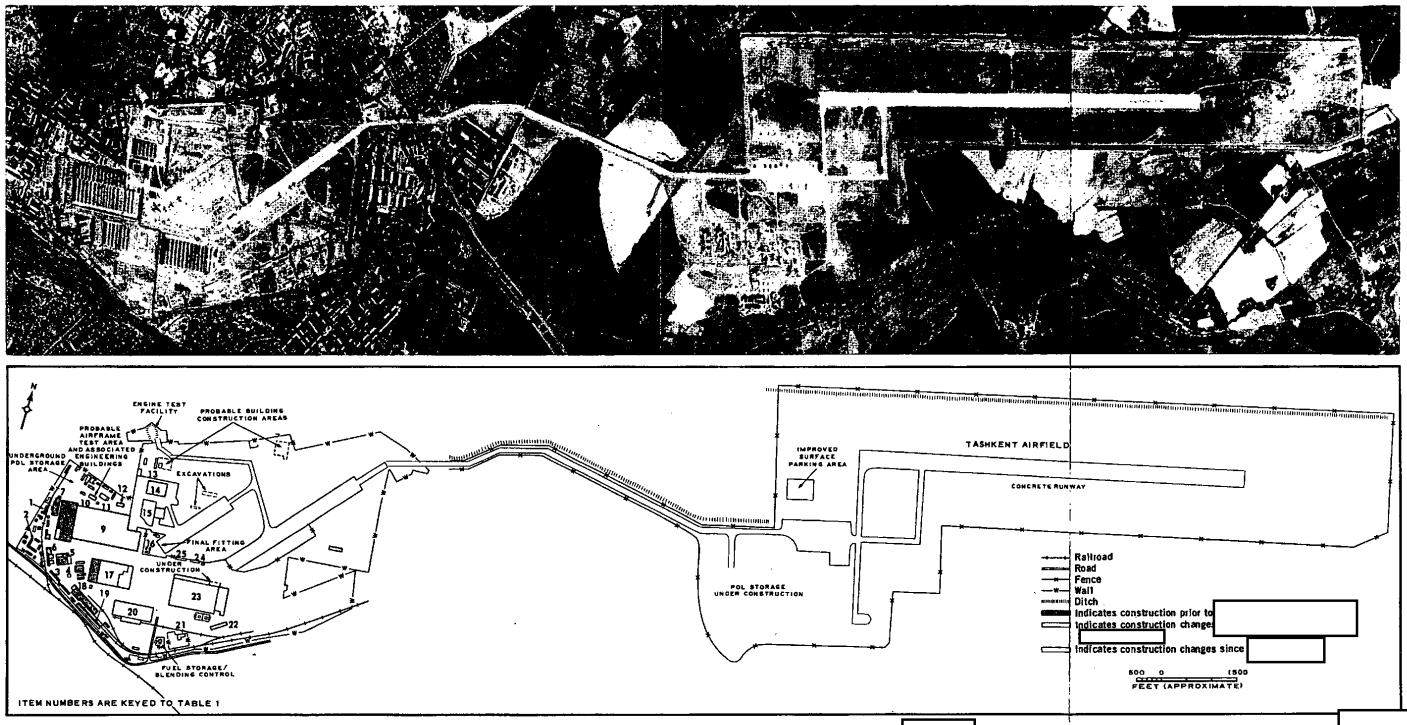

FIGURE 8. LAYOUT OF TASHKENT AIRCRAFT ASSEMBLY PLANT B AND TASHKENT AIRFIELD, [redacted]

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REFERENCES

[redacted] 25X1

MAPS OR CHARTS

ACIC series, scale 1:200,000.

DOCUMENTS

1. CIA. PIR-21/64, [redacted] *Tashkent Airframe Plant Chkalov No 84, Tashkent, USSR,* Aug 64 (TOP SECRET [redacted]) 25X1 25X1

2. CIA. PIB-1008/61, *Aircraft Plant "Chkalov" 84, Tashkent, USSR,* Jul 61 (SECRET [redacted]) 25X1

3. CIA. PIR-65025, [redacted] *Tashkent Airframe Plant Chkalov No 84A and 84B, Tashkent, USSR,* Oct 65 (TOP SECRET [redacted]) 25X1 25X1 25X1

REQUIREMENT

CIA. C-RR6-83,650

PROJECT

31260/66 (partial answer)

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